

**CLAIMS:**

**1. An illuminating device, comprising:**

- 5        a position data unit configured to generate position data;
- a modulator configured to modulate an electronic signal on a power line based on the position data from the position data unit; and
- a lighting unit configured to generate illuminative light from the electronic signal modulated based on position data.

**10 2. A cellular phone, comprising:**

- a light receiving unit configured to receive illuminative light modulated based on position data;
- a position detector configured to detect position data from the light receiving unit; and
- 15        a processing unit configured to transmit detected position data from a transmitter/receiver of the cellular phone.

**20 3. The cellular phone of Claim 2, wherein the light receiving unit configured to receive illuminative light modulated based on position data is a camera included in the cellular phone.**